Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/08/2018 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123445	-2	2.14	123448	2.15
Blue	F	SSC	125000	123949	-1	3.71	124719	3.70
Blue	E	FITC	15492	15123	-3	3.85	352	22.37
Blue	D	PE	28736	28025	-3	3.11	617	16.39
Blue	B	PerCP-Cy5-5	41413	41160	-1	4.70	1126	23.78
Blue	A	PE-Cy7	31321	31228	-1	7.36	570	48.11
Red	C	APC	41673	40886	-2	2.99	1582	13.35
Red	A	APC-Cy7	29962	29336	-3	2.96	737	13.97
Violet	B	V450	8318	7985	-5	4.60	446	14.98
Violet	A	V500	34199	32997	-4	4.35	794	11.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20204	4.11	607	-6	N/A	N/A	Pass
Blue	F	SSC	56221	3.18	576	8	N/A	N/A	Pass
Blue	E	FITC	59	76.03	558	-3	0.0154	207	Pass
Blue	D	PE	122	58.57	557	-3	0.1363	319	Pass
Blue	B	PerCP-Cy5-5	206	56.69	664	-3	0.0068	17	Pass
Blue	A	PE-Cy7	112	120.21	719	-3	0.0089	28	Pass
Red	C	APC	360	29.05	602	1	0.0195	168	Pass
Red	A	APC-Cy7	183	31.42	577	1	0.0047	1130	Pass
Violet	B	V450	68	68.05	475	-2	0.0378	1996	Pass
Violet	A	V500	113	38.17	492	-2	0.0206	1043	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.93	-32.10	1.13
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	16.80	13.60 - 20.40	N/A	N/A	29.11	29.79	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10939

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments